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APPLICATION	₹0.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/064,766		08/15/2002	Chun-Ling Peng	8043-US-PA	9683	
31561	7590	06/02/2005	•	EXAM	EXAMINER	
JIANQ (7 FLOOF		INTELLECTUAL	DEO, DUY VU NGUYEN			
		DAD, SECTION 2		ART UNIT	PAPER NUMBER	
TAIPEI,	100	•		1765		
TAIWA	1			DATE MAILED: 06/02/200	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/064,766	PENG, CHUN-LING	
Office Action Summary	Examiner	Art Unit	
	DuyVu n. Deo	1765	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR RETHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above, the maximum statutory period for reply within the set or extended period for reply will, by standard provided the period for reply will, by standard provided part of the maximum statutory period for reply will, by standard provided part of the mean standard part	ON. R 1.136(a). In no event, however, may a n. a reply within the statutory minimum of thi eriod will apply and will expire SIX (6) MOI tatute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communic BANDONED (35 U.S.C. § 133).	cation.
Status			
1)⊠ Responsive to communication(s) filed on <u>0</u>)1 April 2005.		
	This action is non-final.		
3) Since this application is in condition for allo		ters, prosecution as to the meri	ts is
closed in accordance with the practice und			
Disposition of Claims			
4) ☐ Claim(s) 1-4 and 8-10 is/are pending in the 4a) Of the above claim(s) is/are with 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4, 8-10 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction are subjection Papers	drawn from consideration.		
<u> </u>	, minor		
9)☐ The specification is objected to by the Exam 10)☐ The drawing(s) filed on is/are: a)☐		by the Evaminer	
Applicant may not request that any objection to			
Replacement drawing sheet(s) including the co	***	, ,	21(d)
11)☐ The oath or declaration is objected to by the	•	• • •	` '
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for force a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the application from the International Bu * See the attached detailed Office action for a	nents have been received. nents have been received in a priority documents have beer reau (PCT Rule 17.2(a)).	Application No received in this National Stage	;
Attachment(s)	 .		
1)		Summary (PTO-413) (s)/Mail Date	
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date	´	Informal Patent Application (PTO-152)	

Application/Control Number: 10/064,766

Art Unit: 1765

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-4, 8-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wu.

Wu describes a method for etching a substrate comprising: loading the substrate on a susceptor in an etching chamber (col. 2, line 30-35); performing etching with a height of the susceptor in the etching being adjusted to an different heights that results uniform and even etching of the material (col. 1, line 40-45; col. 3, line 16-40). The uniform and even etching would read on claimed minimum deviation of etching depth. Unlike claimed invention, Wu doesn't describe selecting the height resulting in a minimum deviation of etching depth as a height to perform a normal etching process. However, as suggested by Wu that different height would affect the etch rate differently over the substrate (col. 3, line 15-25); therefore, it would have been obvious for one skilled in the art to select a height that results in minimum deviation of etching depth because etching at one height would be easier, shorter, and simpler process than etching at different heights.

Referring to claim 9, the support pole 107 that moving up and down to adjust the height of the substrate would read on claimed shaft under the susceptor (col. 2, line 18-29).

Referring to claim 10, the material etched included oxide layer (col. 3, line 50-61). This would read on claimed silicon oxide layer.

Application/Control Number: 10/064,766 Page 3

Art Unit: 1765

Unlike claimed invention, Wu doesn't describe the etching method is for rounding a corner of an opening. However, he teaches that the method can be used with any etching process that requires uniform etching over the entire surface of the substrate (col. 4, line 59-63).

Therefore, it would have been obvious to one skilled in the art at the time of the invention to use the method for any etching including rounding corner of an opening in order to provide a uniform etching over the entire surface of the wafer.

Response to Arguments

- 3. Applicant's arguments with respect to claims 1-4, 8-10 have been considered but are most in view of the new ground(s) of rejection.
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DuyVu n Deo whose telephone number is 571-272-1462. The examiner can normally be reached on 6:00-3:30; with alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on 571-272-1465. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/064,766 Page 4

Art Unit: 1765

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Primary Examiner Duy-Vu N. Deo 5/27/05